

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20070274636"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/27 11:10
S2	148	((((sometimes or often or also or frequently or commonly or once or typically or usually or regularly or generally or better) near1 (call\$3 or refer \$4 or known or dubbed)) or (synonymous or synonym or ((equivalent or similar or alternat\$3) near2 (word or concept or term)))) near10 (opto\$1electronic or opto electronic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/27 18:12
S3	7303	(opto\$1electronic or opto electronic).ti,clm.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/27 18:13
S4	877	(opto\$1electronic or opto electronic) module	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/06/27 18:20
S5	7	("5040868" or "4695871" or "5153734" or "6627872" or "4168102" or "5920120").pn. or "20030185526"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/02 20:36
S11	1	DE-10023353-A\$	DERWENT	ADJ	ON	2008/07/02 21:09
S12	1	DE-3331451-C\$	DERWENT	ADJ	ON	2008/07/02 21:10
S16	1	JP-03218670-A\$	DERWENT	ADJ	ON	2008/07/02 21:15
S17	1	EP-1022787-A\$	DERWENT	ADJ	ON	2008/07/02 21:18
S21	1	JP-61214566-A\$	DERWENT	ADJ	ON	2008/07/02 21:23
S22	1	JP-10222080-A\$	DERWENT	ADJ	ON	2008/07/02 21:23
S24	1101	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) same (irradiat\$3 or bombard \$5 or blast\$3 or launch\$3 or strik\$3 or (fire or firing) adj upon or radiat\$3 or ((expos \$3 or illuminat\$3 or luminat \$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) same (press or pressing or pressed or pressure or pression or	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/08 08:38

		compress\$3 or push\$3 or squeez\$3 or squish\$3 or squash\$3 or smash\$3) same (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) same (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)				
S25	171592	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) and (irradiat\$3 or bombard\$5 or blast\$3 or launch\$3 or strik \$3 or (fire or firing) adj upon or radiat\$3 or ((expos\$3 or illuminat\$3 or luminat\$3) near\$4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) and (press or pressing or pressed or pressure or pression or compress\$3 or push\$3 or squeez\$3 or squish\$3 or squash\$3 or smash\$3) and (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) and (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/08 08:39
S26	37	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) with (irradiat\$3 or bombard \$5 or blast\$3 or launch\$3 or striks\$3 or (fire or firing) adj upon or radiat\$3 or ((expos \$3 or illuminat\$3 or luminat \$3) near\$4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) with (press or pressing or pressed or pressure or compress\$3 or push\$3 or squeez\$3 or squish \$3 or squash\$3 or smash\$3) with (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) with (leadframe or lead frame or substrate or metal frame \$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/08 08:41

S30	3004	S25 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/08 09:05
S31	21	S24 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/08 09:05
S32	2	S26 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/08 09:05
S33	171847	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) and (irradiat\$3 or bombard\$5 or blast\$3 or launch\$3 or strik\$3 or (fire or firing) adj upon or radiat\$3 or ((expos\$3 or illuminat\$3 or luminat\$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) and (press or pressing or pressed or pressure or pression or compress\$3 or push\$3 or squeez\$3 or squish\$3 or squash\$3 or smash\$3) and (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) and (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/13 15:43
S34	3007	S33 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/13 15:43
S35	37	S34 and (blumel or simon).in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/13 15:43
S36	50	S34 and (osram or opto or gmbh).as.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/13 15:44
S37	1849	S34 and (emit or emitting or emitter or transmit or transmitter or transmitting or receiver or receiving or received or detect or detecting or detected).clm, ab.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/13 16:01

S38	3007	S33 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/13 16:06
S39	1	DE-10129785\$18-A\$	EPO; JPO; DERWENT	ADJ	ON	2008/07/14 10:07
S40	2	WO-03001253-a\$	EPO; JPO; DERWENT	ADJ	ON	2008/07/14 10:08
S41	1	US-5513289-A\$	EPO; JPO; DERWENT	ADJ	ON	2008/07/14 10:52
S42	2	jp-05145121-A\$	EPO; JPO; DERWENT	ADJ	ON	2008/07/14 10:53
S43	1	WO-0024062-a\$	EPO; JPO; DERWENT	ADJ	ON	2008/07/14 10:53
S44	2	JP-62196878-A\$	EPO; JPO; DERWENT	ADJ	ON	2008/07/14 10:55
S45	1	us-4843280-A\$	EPO; JPO; DERWENT	ADJ	ON	2008/07/14 10:57
S46	1	"6746295".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 11:59
S47	1	"20030211804"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 12:00
S48	7	"10/007398"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 12:02
S49	1	"20020057057"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 12:04
S50	8	("3875456"   "5043716"   "5847507"   "6155699").PN. OR ("6746295").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 12:05
S51	2	("2002/0057057").URPN.	USPAT	ADJ	ON	2008/07/14 12:07
S52	2	"3875456".pn. or "5847507".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 15:33
S57	10	EP "0" "230" "336"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 15:36
S58	1	"6610563".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 15:42
S59	42	("4727457"   "5040868"   "5331512"   "5545359"   "5614131"   "5686172"   "6052500"   "6103398"   "6440877").PN. OR ("6610563").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 15:44
S61	4	"09"\$1"581"\$1"585"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 15:46

S62	171847	(Optic\$2 or (electro optic\$2) or electrooptic\$2 or (opto electronic) or optoelectronic) and (irradiat\$3 or bombard\$5 or blast\$3 or launch\$3 or strik\$3 or (fire or firing) adj upon or radiat\$3 or ((expos\$3 or illuminat\$3 or luminat\$3) near4 (radiation or electromagnetic or EM or radio) adj (waves or frequencies))) and (press or pressing or pressed or pressure or pression or compress\$3 or push\$3 or squeez\$3 or squish\$3 or squash\$3 or smash\$3) and (separat\$4 or split\$4 or apart or divid\$4 or distan\$4) and (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 16:29
S63	3007	S62 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 16:29
S64	1528	S63 and (press or pressed or pressing or compress or compressed or compressing or squeezed or squeezing or squeezed)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 16:29
S65	176	S64 and screw	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 17:04
S66	1	"6130448".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 17:09
S67	78	("4888634"   "4902108"   "5051802"   "5148306"   "5149958"   "5302818"   "5693967"   "5814870"   "5821615"   "5861654"   "5867368"   "5869855"   "5998862").PN. OR ("6130448").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/14 17:09
S68	1	(radiation near2 area) near10 (deposit\$3 or form\$3 or coat\$3) near10 (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer) near10 surface near10 (protect\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/15 10:54

S69	29703	(deposit\$3 or form\$3 or coat \$3) with (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer) with surface with (protect\$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/15 10:56
S70	544	S69 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/15 10:57
S71	5971	(deposit\$3 or form\$3 or coat \$3) with (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer) with surface with (protect\$3) with ((radiation near2 area) or device or (led or leds or l adj e adj d or electroluminescen\$4 or electro adj luminescen\$4 or "l.e.d" or (emitter or emitting) near light) or sensor or (IC or integrated circuit or micro \$1processor or micro\$1chip or semi\$1conductor die or inner lead or micro\$circuit or chip or random access memory or RAM or ASIC or Application specific integrated circuit or analog circuit or digital circuit or micro \$controller or (pin or ball) grid array or PGA or BGA or FC\$1PGA or leadless cheap carrier or LCC or flip chip or flip\$1chip or fli\$1chips or controlled collapse chip connection or C4 or Direct Chip Attach or DCA))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/15 11:05
S72	245	S71 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/15 11:11
S73	1313	S71 and protect\$3 near (leadframe or lead frame or substrate or metal frame\$4 or PCB or protocol circuit board or carrier or wafer)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/15 12:28

S74	60	S73 and (257/98-99,116,434,680-681.ccls. or 438/22,25-27,29,48,115-116.ccls. or 385/31-41,92-94.ccls.)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/07/15 12:30
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